

To: Caporale, Cynthia[Caporale.Cynthia@epa.gov]
From: binetti, victoria
Sent: Thur 2/27/2014 6:18:23 PM
Subject: RE: 3-chlorocyclohexene

Yes, Karl Markiewicz (ATSDR).--V

From: Caporale, Cynthia
Sent: Thursday, February 27, 2014 12:36 PM
To: binetti, victoria
Subject: FW: 3-chlorocyclohexene

Do you know who asked the question today about cyclohexene?

From: Warner, Sue
Sent: Thursday, February 27, 2014 12:09 PM
To: Caporale, Cynthia; Gundersen, Jennifer; Graybill, Eric; Poff, Kevin
Cc: Zawodny, Peggy
Subject: RE: 3-chlorocyclohexene

Cindy,

VOAs found the following in sample 1401014-15:

Cyclohexene

4-methylcyclohexene

1-methylcyclohexene

1-methylcyclopentene

2,3-dimethyl-2-pentene

3,5-dimethylcyclopentene

Sue

From: Caporale, Cynthia
Sent: Thursday, February 27, 2014 10:05 AM
To: Gundersen, Jennifer; Warner, Sue; Graybill, Eric; Poff, Kevin
Subject: FW: 3-chlorocyclohexene

Not sure in which samples this compound was detected but apparently it was found in a TIC analysis from the river or DW sample. Question was posed was – could this be a degradation product from MCHM or PPH? Any thoughts?

Did we see this compound in any of the source materials or site samples?

From: **Ex. 6 - Personal Privacy** [redacted]@verizon.net]
Sent: Thursday, February 27, 2014 10:02 AM
To: lkw9@cdc.gov; kvm4@cdc.gov; Helverson, Robert; Caporale, Cynthia
Subject: 3-chlorocyclohexene

http://books.google.com/books?id=N7Bu7etypTAC&pg=PA180&lpg=PA180&dq=3-chlorocyclohexene+used+as&source=bl&ots=aAzG4_rUqf&sig=ygAMDfaqOplXrt9yUThr4D5oZcc&hl=en&sa=X&ei=5VAPU-CQK4rt0wH0yYCYBg&ved=0CEMQ6AEwBQ#v=onepage&q=3-chlorocyclohexene%20used%20as&f=false

cyclohexene use as a preservative by Burdick and Jackson for "distilled in glass" grade methylene chloride. Dichlorocyclohexane is among the products formed when chlorinated water samples are extracted with methylene chloride which is stabilized with cyclohexene. 3-chlorocyclohexene is another